

WHAT IS CLAIMED IS:

1 1. A method for processing an outgoing call in a Voice over Internet Protocol (VIP)
2 gateway system, comprising the steps of:

3 setting a port of an internet telephony module (ITM) card of the VIP gateway system
4 when a telephone number is inputted;

5 recognizing an area code of the inputted telephone number as an access code of an ITM
6 card of a VIP gateway of a called party; and

7 adding a trunk access code matching the ITM access code to the inputted telephone
8 number to obtain an augmented number, and transferring the augmented number to the ITM card
9 of the VIP gateway of the called party.

1 2. The method of claim 1, wherein the transferring of the augmented number is
2 accomplished by deleting the ITM access code when the inputted telephone number constitutes a
3 call from another area not associated with the VIP gateway of the called party.

1 3. The method of claim 2, wherein the ITM card comprises a database table including at
2 least one of a variable ITM access code, a length of the variable ITM access code, an indication
3 as to whether the ITM access code is to be deleted, a trunk access code, and an IP table index.

1 4. The method of claim 1, wherein the ITM card comprises a database table including at

2 least one of a variable ITM access code, a length of the variable ITM access code, an indication
3 as to whether the ITM access code is to be deleted, a trunk access code, and an IP table index.

1 5. The method of claim 1, wherein the transferring of the augmented number comprises:
2 determining whether the inputted telephone number belongs to an office-line subscriber;
3 and
4 when the inputted telephone number does belong to an office-line subscriber, transferring
5 the call to a public switched telephone network.

1 6. The method of claim 5, wherein the transferring of the augmented number comprises:
2 determining whether the inputted telephone number belongs to an extension subscriber;
3 and
4 when the inputted telephone number does belong to an extension e subscriber,
5 transferring the call to the extension subscriber.

1 7. The method of claim 1, wherein the transferring of the augmented number comprises:
2 determining whether the inputted telephone number belongs to an extension subscriber;
3 and
4 when the inputted telephone number does belong to an extension subscriber, transferring
5 the call to the extension subscriber.

1 8. A method for processing an outgoing call in a Voice over Internet Protocol (VIP)
2 gateway system, comprising the steps of:

3 setting a port of an internet telephony module (ITM) card of the VIP gateway system
4 when a telephone number is inputted;

5 recognizing an area code of the inputted telephone number as an access code of the ITM
6 card of a VIP gateway of a called party;

7 determining whether an ITM access code is detected; and

8 adding a trunk access code matching the ITM access code to the inputted telephone
9 number to obtain an augmented number, and transferring the augmented number to the ITM card
10 of the VIP gateway of the called party.

11 9. The method of claim 8, wherein the ITM card comprises a database table including at
12 least one of a variable ITM access code, a length of the variable ITM access code, an indication
13 as to whether the ITM access code is to be deleted, a trunk access code, and an IP table index.

1 10. The method of claim 8, wherein the transferring of the augmented number comprises:
2 determining whether the inputted telephone number belongs to an office-line subscriber;
3 and
4 when the inputted telephone number does belong to an office-line subscriber, transferring
5 the call to a public switched telephone network.

1 11. The method of claim 10, wherein the transferring of the augmented number
2 comprises:

3 determining whether the inputted telephone number belongs to an extension subscriber;
4 and

5 when the inputted telephone number does belong to an extension subscriber, transferring
6 the call to the extension subscriber.

1 12. The method of claim 8, wherein the transferring of the augmented number comprises:
2 determining whether the inputted telephone number belongs to an extension subscriber;

3 and

4 when the inputted telephone number does belong to an extension subscriber, transferring
5 the call to the extension subscriber.